Author Index

Abe, M., 91 Agui, W., 91 An, J.-y., 129 Arnebrant, T., 153 Asano, H., 239

Barton, R.H., 189 Basu, R., 65 Bellon-Fontaine, M.-N., 47 Boonaert, C.J.-P., 113 Bordi, F., 39 Borissevitch, I.E., 69 Borissevitch, G.P., 69 Bos, R., 101 Busscher, H.J., 101 Butler, P.A.G., 189

Caldwell, K.D., 9 Cametti, C., 39 Chen, C.Y., 55 Chen, Z.J., 173 Chern, C.S., 55 Choi, Y.K., 215

De Luca, F., 39 De, S., 65 Du, Y.-k., 129 Dufrêne, Y.F., 113, 271

Etori, H., 31

Fukai, F., 235

Garofalo, T., 39 Ghosh, A.K., 65 Gramain, P., 1 Gu, T., 23

Haïkel, Y., 1 Hirata, S., 235 Hong, J.-J., 221 Huang, W., 23

Igimi, H., 181 Ikeda, R., 281 Imae, T., 281 Ishigami, Y., 215 Ishii, F., 215

Jiang, L., 129, 173

Kajiuchi, T., 215 Kawashima, N., 91 Khan, T.K., 145 Kim, M., 221 Kozono, H., 165

Lai, D.T., 189 Lee, C.-H., 221 Lee, C.K., 55 Lee, S., 181 Lewis, K.B., 259 Li, J.-T., 9 Li, X., 23 Li, Y., 129

MacKenzie, A.D., 189 Macri, M.A., 39 Maget-Dana, R., 135 Makino, K., 235 Manuel, R.D., 189 Maraviglia, B., 39 Matsuda, N., 91 Matsuyama, H., 165 Matsuyama, T., 207 Misasi, R., 39 Mishima, K., 83 Miyassu, Y.-I., 181 Morita, K., 165

Nagadome, S., 181 Nakagawa, S., 239 Nakagawa, Y., 207 Nandy, P., 65 Nishibue, H., 165

O'Connor, C.J., 189 Ogawa, H., 165 Ogino, K., 91 Ohki, H., 281 Ohshima, H., 235 Okabayashi, H., 31 Oliveira, O.N., Jr. 69 Ou, X.M., 173

Pavan, A., 39 Pontieri, G.M., 39 Pore, N., 65 Poumier, F., 1 Ptak, M., 135

Ratner, B.D., 259 Rault, J., 47 Rouxhet, P.G., 113, 271

Sakai, H., 91 Sasaki, Y., 181 Satoh, K., 83 Sawa, T., 249 Schaad, P., 1 Shervani, Z., 31 Sorice, M., 39 Sugihara, G., 181, 239 Suzuki, K., 83, 239 Suzuki, S., 281

Tabak, M., 69 Taga, K., 31 Takahashi, K., 239 Takamura, Y., 239 Tanaka, S., 281 Tang, F.Q., 173 Tang, J., 129 Tansho, M., 281 Terabayashi, T., 249 Teramoto, M., 165

Ueno, M., 239, 249	Voegel, J.C., 1	Yang, SM., 221
	Vries, J.d., 101	Yoshida, T., 31

van der Mei, H.C., 101	Wannerberger, K., 153	Zhou, J., 23
van Oss, C.J., 47	Watanabe, T., 91	Zimatore, G., 39

Subject Index

Actinomyces, 101 Activated carbon, 181 Activity, 153 Adsorbability, 173 Adsorption, 153, 181, 221 Affinity precipitation, 55 Air/water interface, 135 Amphotericin B, 31 Antibacterial protein, 135 Avidin, 55 Azospirillum brasilense, 113, 271

Bacteria, 47
Bacterial adhesion, 113
Bacterial aggregate, 91
Bacterial wetting agents, 207
Bile salts, 181, 239
Biocompatibility, 9
Biological cells, 235
Biotin, 55
Birefringence, 83
Brewster angle microscope, 129

Calcium bilirubinate, 249
Cardiolipin, 145
Cationic polyelectrolyte, 165
Cholesterol, 83
Co-adhesion, 101
Coaggregation, 101
Colloids in medicine, 9
Colony, 207
Conductometric properties, 39
Cooperativity, 145
Corticosteroids, 65
Cubic phase, 281

Dipalmitoylphosphatidylcholine, 83 Dipyridamole derivatives, 69 Direct dissolution agent, 249 Dissolution, 1 DMI, 249 DMSO, 249 Dodecylammonium butyrate, 23 Dodecyltrimethylammonium dimethylphosphate, 281 Drug localization, 69

EDTA, 249
Electro-osmotic mobility, 235
Electron spectroscopy for chemical analysis, 259
Ellipsometry, 153
Endothelial cells, 235
Enzymatic activity, 173, 189
Enzymatic reaction, 165
Extracellular proteins, 113

Fibrinogen adsorption, 259 Field-flow fractionation, 9 Flow chamber, 101 Fluorescence spectroscopy, 65 Fractal, 207 FT-IR spectroscopy, 23

Gallstone, 249
Gangliosides, 39
Glucose dehydrogenase, 165
Glucose oxidase, 129, 173
Glycolipid, 129
Gold, 259
Growth conditions, 271

Hamycin, 31 Hexagonal liquid crystal, 281 Hexokinase, 145 Hydrophibic interaction, 91 Hydrophobic force, 129 Hydrophobic matching, 145 Hydroxyapatite, 1

Insect defensin A, 135 Ion exchange resin, 91 Italian cheeses, 189 Lamellar liquid crystal, 281 Langmuir monolayers, 69 Lewis acid-base interactions, 47 Lipase, 153 Lipid perturbation, 65 Liposomes, 39 Localization mapping of dispersoids, 215 Lysozyme, 1

Membrane anisotropy, 65 Microbial adhesion to solvents, 47 Microfluidity, 215 Micropolarity, 215 Molecular orientation, 83 Multicellular behavior, 207 Multilamellar phase, 83

Nanomeler particles, 173

Octaoxyethylene glycol mono decylether, 239 OH – ion, 91

Parallel-plate chamber, 113
Phospholipid membrane, 39
Phospholipids, 271
Phospholipid vesicle, 145
pH sensitivity, 55
Plasma protein adsorption, 9
Platinum, 259
P NMR, 281
Polyene antibiotics, 31
Poly(ethylene oxide)-containing surfactants, 9
Pregastric lipase, 189
Protein adsorption, 135
Protein purification, 55
Pyrene derivative, 215

Radiolabeling, 259 Reverse micelles, 23 Ribonuclease A, 23 Ringing gel, 281 Ruminant digestion, 189

Scanning tunneling microscopy, 259 Secondary ion mass spectrometry, 259 Self-association, 31 Sodium glycochenodeoxycholate, 239 Sodium glycoursodeoxycholate, 239 Soft surface, 235 Stabilization of enzyme, 165 Streptococci, 101 Submicron latex particles, 55 Surface-active fluorescent probe, 215 Surface characteristics, 215 Surface composition, 271 Surface environments, 207 Surface potential, 69 Surface pressure, 69, 129 Surface properties, 135 Surfactant, 153

Titanium dioxide surface, 221 Tributyrin hydrolysis, 189 Tricarboxylic acid biosurfactant, 221

Ultrapure water, 91

Wettability, 101

X-ray photoelectron spectroscopy, 113, 271

Zeta potential, 101

